Precision Linear Guide Rail System

This precision linear guide rail system features a hardened steel rail and a smooth-gliding block carriage. It is designed for linear motion applications requiring high accuracy and load capacity.

ADDITIONAL IMAGES

Overview

Precision Linear Motion System

This linear guide rail system is engineered for high-precision motion applications, utilizing a rolling guide mechanism with an infinite loop of ball bearings between the slider and the rail. By significantly reducing the friction coefficient compared to traditional sliding guides, it achieves superior positioning accuracy and smooth movement. This system is designed to provide high load capacity and rigidity, making it an essential component for demanding industrial machinery.

Applications

Suitable Applications	CNC Machines, High-speed Transfer Machines, Machine Tools, Precision Machining, Cutting Machines, Punching Machines, Marble Cutting, Grinding Machines, Measuring Equipment

Technical Details

Motion Type	Rolling guide with infinite ball bearing loop
Friction Reduction	1/50th of traditional sliding guides

Construction

Material Composition

- Hardened steel rail
- Durable aluminum alloy carriage block

Installation Features

Pre-drilled mounting holes • Easy integration